

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18	(US-20070212584-\$ or US-20040202924-\$ or US-20030035989-\$ or US-20030215689-\$ or US-20060257702-\$ or US-20030162067-\$ or US-20040126298-\$ or US-20020098401-\$ or US-20060057295-\$). did. or (US-6183896-\$ or US-5955039-\$ or US-5733435-\$ or US-5376469-\$ or US-4259414-\$ or US-6492047-\$ or US-7229710-\$ or US-7332237-\$ or US-6379828-\$).did.	US-PGPUB; USPAT	ADJ	ON	2010/12/17 13:01
L2	2	l1 and (peat or corn or rice)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 13:26
L3	221	429/400-535.ccls. and (peat or corn or rice)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 13:27
L4	45	429/400-535.ccls. and (peat or corn or rice) with carbon	US-PGPUB; USPAT	ADJ	ON	2010/12/17 13:27
L5	46	429/400-535.ccls. and (peat or corn or rice) with fuel	US-PGPUB; USPAT	ADJ	ON	2010/12/17 14:13
L6	30	429/400-535.ccls. and (agricultur\$6) with fuel	US-PGPUB; USPAT	ADJ	ON	2010/12/17 14:49
L7	38	429/400-535.ccls. and coal with ((agricultur \$6) or peat or rice or corn)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 14:55
L8	5	l1 and biomass	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:32
L9	411	fuel cell and coal with (peat or corn or rice) not l7	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:33
L10	411	(fuel cell and coal with (peat or corn or rice)) not l7	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:33

L11	60	(fuel cell and fuel with coal with (peat or corn or rice)) not I7	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:34
L12	144	(fuel cell and (peat or corn or rice))	EPO; JPO; DERWENT	ADJ	ON	2010/12/17 15:42
L13	54	(fuel cell and (peat or corn or rice) with (fuel or biomass or biofuel))	EPO; JPO; DERWENT	ADJ	ON	2010/12/17 15:42
L14	167	429/400-535.ccls. and (biomass or biofuel) with (fuel or anode or negative electrode) and (biomass or biofuel with (peat or corn or rice or agricultu\$6))	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:45
L15	29	429/400-535.ccls. and (biomass or biofuel) with (fuel or anode or negative electrode) and ((biomass or biofuel) with (peat or corn or rice or agricultu\$6))	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:46
L16	163	429/400-535.ccls. and (biomass with fuel)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:54
L17	221	429/400-535.ccls. and (rice or corn or peat)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:56
L18	221	429/400-535.ccls. and (rice or corn or peat not corn starch not corn oil)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:57
L19	169	429/400-535.ccls. and (rice or corn or peat) not corn starch not corn oil	US-PGPUB; USPAT	ADJ	ON	2010/12/17 15:58
L20	21	(US-20070212584-\$ or US-20040202924-\$ or US-20030035989-\$ or US-20030215689-\$ or US-20060257702-\$ or US-20030162067-\$ or US-20040126298-\$ or US-20020098401-\$ or US-20060057295-\$ or US-20080292912-\$). did. or (US-6183896-\$ or US-5955039-\$ or US-5733435-\$ or US-5376469-\$ or US-4259414-\$ or US-6492047-\$ or US-7229710-\$ or US-	US-PGPUB; USPAT	ADJ	ON	2010/12/17 16:04

		7332237-\$ or US- 6379828-\$ or US- 5449568-\$ or US- 6680137-\$).did.				
L21	10	I20 and (bio\$6 or biolog \$6)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 16:05
L22	4	I20 and (bio\$6 or biolog \$6) and (corn or rice or peat)	US-PGPUB; USPAT	ADJ	ON	2010/12/17 16:10
S1	1	"10576385"	US-PGPUB; USPAT	ADJ	ON	2010/09/24 10:43
S2	46	"429".clas. and solid state fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/09/24 10:43
S3	0	S2 and organic fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/09/24 11:06
S4	4	"429".clas. and solid adj2 organic fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/09/24 11:07
S5	419	"429".clas. and direct oxidation fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/09/24 11:08
S6	100	S5 and (solid state fuel or solid fuel or organic fuel)	US-PGPUB; USPAT	ADJ	ON	2010/09/24 11:09
S7	31	S5 and (solid state fuel or solid fuel or solid adj2 organic fuel)	US-PGPUB; USPAT	ADJ	ON	2010/09/24 11:09
S8	1	"20040202924"	US-PGPUB; USPAT	ADJ	ON	2010/09/24 14:42
S9	0	"2003035989"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:32
S10	0	"2003035989"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:32
S11	1	"20030035989"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:32
S12	1	"20030215689"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:33
S13	9	"6183896"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:33
S14	17	"6017646"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:33
S15	188	"5955039"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:33
S16	46	"5733435"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:34
S17	12	"5376469"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:34
S18	7	"4259414"	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:34

S19	20456	429/400-535.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:35
S20	154	429/401.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:36
S21	15	S20 and (peat or rice or corn)	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:36
S22	206	S19 and (peat or rice or corn) not S21	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:38
S23	49	S19 and (peat or rice or corn) with (fuel or biomass) not S21	US-PGPUB; USPAT	ADJ	ON	2010/12/06 14:38
S24	0	"10519473"	US-PGPUB; USPAT	ADJ	ON	2010/12/07 10:08
S25	1	10/519473	US-PGPUB; USPAT	ADJ	ON	2010/12/07 10:08
S26	1	"20010014415"	US-PGPUB; USPAT	ADJ	ON	2010/12/07 10:22
S27	53	"5605770"	US-PGPUB; USPAT	ADJ	ON	2010/12/07 10:22
S28	1	"20020022167"	US-PGPUB; USPAT	ADJ	ON	2010/12/07 10:23
S29	20533	429/400-535.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/14 10:51
S30	47	S29 and lanthanum strontium manganese oxide or La Sr Mn O	US-PGPUB; USPAT	ADJ	ON	2010/12/14 10:51
S31	35	S29 and (lanthanum strontium manganese oxide or La Sr Mn O)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 10:51
S32	20533	429/400-535.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/14 15:02
S33	35	S32 and (lanthanum strontium manganese oxide or La Sr Mn O)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 15:02
S34	3	S33 and (LSCF or SSC or LSF)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 15:02
S35	2	S33 and (lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 15:17

S36	276	S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 15:51
S37	11	S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) with cataly\$7	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:05
S38	143	S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:13
S39	0	S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6 bismuth	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:14
S40	20533	429/400-535.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:20
S41	156	429/401.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:20
S42	15	S41 and (peat or rice or corn)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:20
S43	49	S40 and (peat or rice or corn) with (fuel or biomass) not S42	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:20
S44	2	S32 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6 and S43	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:20
S45	2	S38 and organic fuel	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:23

S46	4	S38 and biomass	US-PGPUB; USPAT	ADJ	ON	2010/12/14 16:24
S47	4	429/400-535.ccls. and (direct oxidation or direct organic) and (peat or rice or corn) with biomass	US-PGPUB; USPAT	ADJ	ON	2010/12/14 17:24
S48	20	429/400-535.ccls. and (direct oxidation or direct organic) and (peat or rice or corn)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 17:24
S49	144	fuel cell and (peat or rice or corn)	EPO; JPO; DERWENT	ADJ	ON	2010/12/14 17:27
S50	36	429/400-535.ccls. and (direct oxidation or direct organic) and (biomass)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 17:30
S52	1	429/400-535.ccls. and (solid fuel) near3 organic	US-PGPUB; USPAT	ADJ	ON	2010/12/14 19:47
S53	2	429/400-535.ccls. and (solid organic fuel)	US-PGPUB; USPAT	ADJ	ON	2010/12/14 19:55
S54	0	"2003035989"	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:03
S55	1	"20030035989"	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:03
S56	600	429/400-535.ccls. and fuel with coal	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:04
S57	47	429/400-535.ccls. and fuel with coal with anode	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:05
S58	55	429/400-535.ccls. and fuel with coal with (anode or negative electrode or fuel electrode)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:05
S59	51	429/400-535.ccls. and fuel cell with solid state fuel	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:15
S60	8	429/400-535.ccls. and fuel cell with solid state fuel not solid state fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:16
S61	2	"7229710"	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:46
S62	218	429/400-535.ccls. and (solid near fuel not (solid oxide fuel cell))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:53

S63	11	429/ 400-535.ccls. and direct coal fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:54
S64	21	429/ 400-535.ccls. and (solid carbon\$7 fuel)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 17:55
S65	1	429/ 400-535.ccls. and (solid carbon\$7 based fuel)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 18:18
S66	21	429/ 400-535.ccls. and (solid carbon\$7 adj1 fuel)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 18:19
S67	5	429/ 400-535.ccls. and (solid carbon\$7 adj2 fuel) not S64	US-PGPUB; USPAT	ADJ	ON	2010/12/16 18:23
S68	331	429/ 400-535.ccls. and (solid fuel)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 18:37
S69	219	429/ 400-535.ccls. and (solid fuel) not solid fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 18:42
S70	15	(US-20070212584-\$ or US-20040202924-\$ or US-20030035989-\$ or US-20030215689-\$ or US-20060257702-\$ or US-20030162067-\$). did. or (US-6183896-\$ or US-5955039-\$ or US-5733435-\$ or US-5376469-\$ or US-4259414-\$ or US-6492047-\$ or US-7229710-\$ or US-7332237-\$ or US-6379828-\$).did.	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:36
S71	1	S70 and (LSF or LSFC or SSC)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:36
S72	1	S70 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and electrolyt\$6 with yttrium stabiliz\$6	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:37
S73	20557	429/ 400-535.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:38

S74	56	S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and (re or rhenium)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:38
S75	11	S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and (re nio or rhenium)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:39
S76	2	S73 and re nio	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:39
S77	0	S73 and renio	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:39
S78	0	S73 and rhenium nickel oxide	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:40
S79	20	S73 and (re or rhenium) with (nickel oxide or nio)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:40
S80	186	S73 and Nio YSZ	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:43
S81	4	S73 and Nio YSZ with (re or rhenium)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:43
S82	50	S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and NiO YSZ	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:43
S83	2	S73 and (LSCF or SSC or LSF or lanthanum strontium ferr\$5 or lanthanum strontium cobalt ferr\$5 or samar \$4 strontium cobalt oxide) and NiO YSZ same (re or rhenium)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 21:44
S84	5	S73 and cataly\$8 same (re or rhenium) same (nickel oxide or nio)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 22:50
S85	179	cataly\$8 same (re or rhenium) same (nickel oxide or nio)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 22:51



S86	17	cataly\$8 same (re or rhenium) same (nickel oxide or nio) and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 22:51
S87	68	cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 rhenium) and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 22:59
S88	51	S87 not S86	US-PGPUB; USPAT	ADJ	ON	2010/12/16 22:59
S89	31	cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 nickel) and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:00
S90	43	cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 (nickel or ni)) and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:00
S91	26	S90 not S86	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:00
S92	43	cataly\$8 same (re or rhenium) same (nickel oxide or nio or oxide near3 (nickel or ni) or nickel ii oxide) and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:02
S93	7	barnett.inv. and NiO YSZ	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:08
S94	2	S73 and cuo pt	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:12
S95	26	S73 and cataly\$8 with copper adj2 oxide with (platinum or pt)	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:14
S96	0	S73 and ("A.sub."!"B.sub."!"CO.sub.3) or ("La.sub.0."!"Sr.sub.0."!"CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:26
S97	0	S73 and ("A.sub."!"B.sub."!"CO.sub.3) or ("La.sub.0."!"Sr.sub.0."!"CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:27
S98	2	S73 and ("A.sub.xB.sub.yCO.sub.3) or ("La.sub.0."!"Sr.sub.0."!"CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:27

S99	3	S73 and (("A.sub."\$B. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:28
S100	6	S73 and (("A.sub."\$B. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:28
S101	6	S73 and (("A.sub."\$B. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:29
S102	7	S73 and (("A.sub."\$B. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:31
S103	1	S102 not S101	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:31
S104	0	cataly\$8 (("A.sub."\$B. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:31

		sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3"))				
S105	32	cataly\$8 and (("A.sub."\$B.sub."\$CO.sub.3") or ("La.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce.sub.0."\$CO.sub.3") or ("La.sub.0."\$Co.sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr.sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr.sub.0."\$CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:31
S106	31	S105 not S103	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:32
S107	27	S105 not S102	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:32
S108	1	S107 and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:32
S109	2	cataly\$8 and (("A.sub."\$B.sub."\$CO.sub.3")) and fuel cell	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:34

S110	2	fuel cell and ("Gd. sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("B.sub.0."\$Co. sub.0."\$CO.sub.3"))	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:37
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S111	3	fuel cell and ("A. sub."\$B.sub."\$CO. sub.3") or ("La. sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:39
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		("Sr.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("B.sub.0."\$Co. sub.0."\$CO.sub.3")) not (S110 or S105)				
S112	0	(cathode or electrode) with ("A.sub."\$B. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce.	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:43

		sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("B.sub.0."\$Co. sub.0."\$CO.sub.3")) not (S110 or S105)				
S113	0	(cataly\$8) with (("A. sub."\$B.sub."\$CO. sub.3") or ("La. sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce. sub.0."\$CO.sub.3") or	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:43

		("Sm.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Co. sub.0."\$"CO.sub.3")) not (S110 or S105)				
S114	4	(("A.sub."\$"B. sub."\$"CO.sub.3") or ("La.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:43



("Gd.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("Gd.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("Gd.sub.0."\$"Co.  
sub.0."\$"CO.sub.3") or  
("Sm.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("Sm.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("Sm.sub.0."\$"Co.  
sub.0."\$"CO.sub.3") or  
("Nd.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("Nd.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("Nd.sub.0."\$"Co.  
sub.0."\$"CO.sub.3") or  
("Br.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("Br.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("Br.sub.0."\$"Co.  
sub.0."\$"CO.sub.3") or  
("Tb.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("Tb.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("Tb.sub.0."\$"Co.  
sub.0."\$"CO.sub.3") or  
("Sr.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("Sr.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("Sr.sub.0."\$"Co.  
sub.0."\$"CO.sub.3") or  
("B.sub.0."\$"Sr.  
sub.0."\$"CO.sub.3") or  
("B.sub.0."\$"Ce.  
sub.0."\$"CO.sub.3") or  
("B.sub.0."\$"Co.  
sub.0."\$"CO.sub.3"))  
not (S110 or S105)

S115	37	((("A.sub."\$"B. sub."\$"CO.sub.3") or ("La.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Ce.	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:44
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		sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Co. sub.0."\$"CO.sub.3"))				
S116	12	((("X.sub."\$"Y. sub."\$"CO.sub.3") or ("La.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("La.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Tb.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sr.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("B.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Gd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Sm.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Nd.sub.0."\$"Co. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Sr. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Ce. sub.0."\$"CO.sub.3") or ("Br.sub.0."\$"Co. sub.0."\$"CO.sub.3") or	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:46

		("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("B.sub.0."\$Co. sub.0."\$CO.sub.3"))				
S117	12	(("X.sub."\$Y. sub."\$CO.sub.3") or ("La.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("La.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("La.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$CO. sub.3") or ("Gd. sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Gd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sm.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Nd.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Br.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Ce.	US-PGPUB; USPAT	ADJ	ON	2010/12/16 23:49

sub.0."\$CO.sub.3") or ("Tb.sub.0."\$Co. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("Sr.sub.0."\$Co. sub.0."\$CO.sub.3") or ("B.sub.0."\$Sr. sub.0."\$CO.sub.3") or ("B.sub.0."\$Ce. sub.0."\$CO.sub.3") or ("B.sub.0."\$Co. sub.0."\$CO.sub.3"))			
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